

ABSTRACT

A particulate sealant for forming plugs in selected cells of honeycomb structures and consisting essentially, by weight, of about 70 to 90% ceramic blend, the ceramic blend being raw ceramic materials selected to form a composition consisting essentially of in percent by weight about 12 to 16% MgO, about 33 to 38% Al_2O_3 , and about 49 to 54% SiO_2 , which will form cordierite ($2\text{MgO} \cdot 2\text{Al}_2\text{O}_3 \cdot 5\text{SiO}_2$) on firing, and about 10 to 30% binder system comprising a thermoplastic polymer capable of forming a gel or a thermosetting resin.

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